

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
MON-THUR WESTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	135	0.0	39	0.0	3000	135	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
1-2 AM	88	0.0	25	0.0	3000	88	0	25	0.22	0	60.2	53.5	49.7	23.2	23.2
2-3 AM	109	0.0	30	0.0	3000	109	0	30	0.22	0	60.2	53.5	49.7	23.2	23.2
3-4 AM	142	0.0	40	0.0	3000	142	0	40	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	429	0.0	121	0.0	3000	429	0	121	0.22	0	60.2	53.5	49.7	21.9	21.9
5-6 AM	1393	0.0	393	0.0	3000	1393	0	393	0.22	0	60.2	53.5	49.7	17.9	17.9
6-7 AM	3049	0.0	861	0.0	2999	3049	0	861	1.11	51	60.2	36.5	40.0	11.5	11.7
7-8 AM	4297	0.0	1214	0.0	3000	4297	0	1214	15.07	869	60.2	10.4	37.3	9.5	11.2
8-9 AM	2547	0.0	719	0.0	3000	2547	0	719	24.78	1349	60.2	8.6	37.3	13.1	16.5
9-10 AM	1935	0.0	546	0.0	2999	1935	0	546	7.85	537	60.2	14.4	44.1	15.6	16.9
10-11 AM	1890	0.0	534	0.0	3000	1890	0	534	0.22	0	60.2	53.5	49.7	15.8	15.8
11A-NOON	1957	0.0	552	0.0	3000	1957	0	552	0.22	0	60.2	53.5	49.7	15.5	15.5
NOON-1PM	2022	0.0	571	0.0	3000	2022	0	571	0.22	0	60.2	53.5	49.7	15.3	15.3
1-2 PM	2075	0.0	586	0.0	3000	2075	0	586	0.22	0	60.2	53.5	49.7	15.1	15.1
2-3 PM	2312	0.0	653	0.0	3000	2312	0	653	0.22	0	60.2	53.5	49.7	14.1	14.1
3-4 PM	2673	0.0	754	0.0	3000	2673	0	754	0.41	0	60.2	48.6	43.0	12.6	12.6
4-5 PM	2982	0.0	842	0.0	3000	2982	0	842	0.61	0	60.2	44.2	37.5	11.6	11.6
5-6 PM	2733	0.0	771	0.0	3000	2733	0	771	0.45	0	60.2	47.6	41.8	12.4	12.4
6-7 PM	1864	0.0	526	0.0	3000	1864	0	526	0.22	0	60.2	53.5	49.7	16.0	16.0
7-8 PM	1232	0.0	347	0.0	3000	1232	0	347	0.22	0	60.2	53.5	49.7	18.6	18.6
8-9 PM	941	0.0	266	0.0	3000	941	0	266	0.22	0	60.2	53.5	49.7	19.7	19.7
9-10 PM	707	0.0	200	0.0	3000	707	0	200	0.22	0	60.2	53.5	49.7	20.7	20.7
10-11 PM	494	0.0	139	0.0	3000	494	0	139	0.22	0	60.2	53.5	49.7	21.5	21.5
11PM-MID	246	0.0	69	0.0	3000	246	0	69	0.22	0	60.2	53.5	49.7	22.6	22.6

----- SITE BREAKDOWN DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----

ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)

MAIN ROUTE WITHOUT WORKS	0.0104
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0780

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

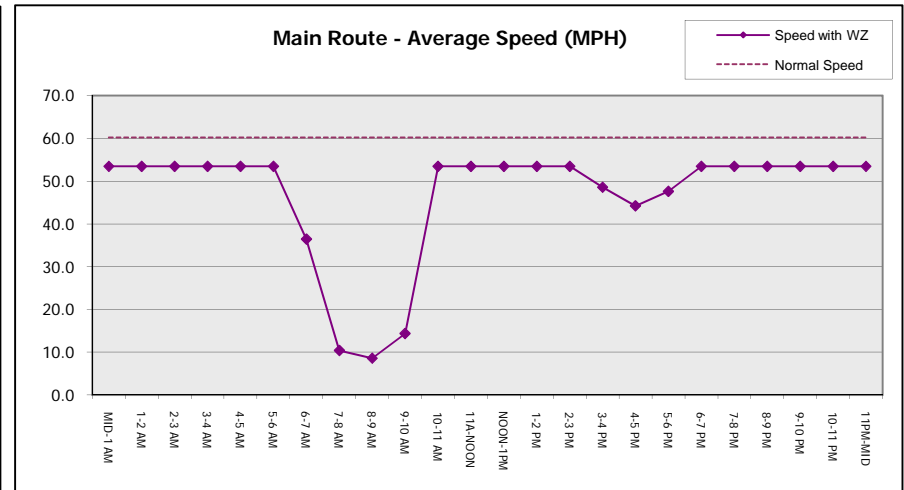
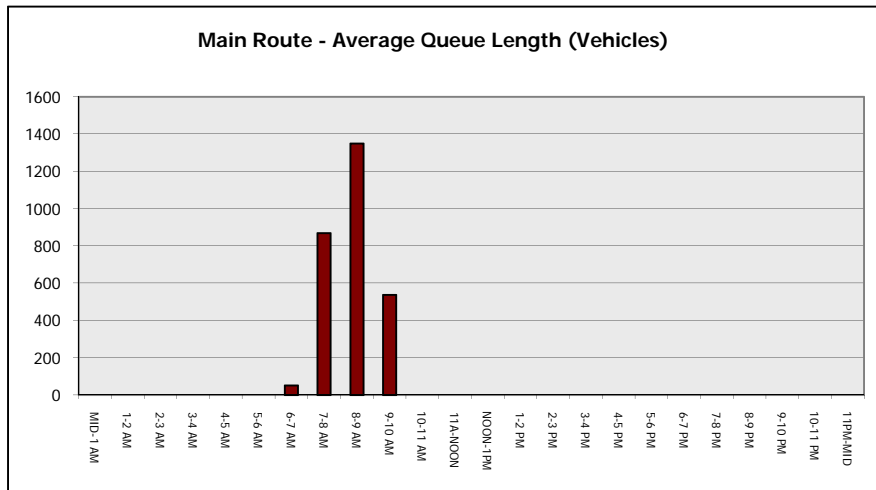
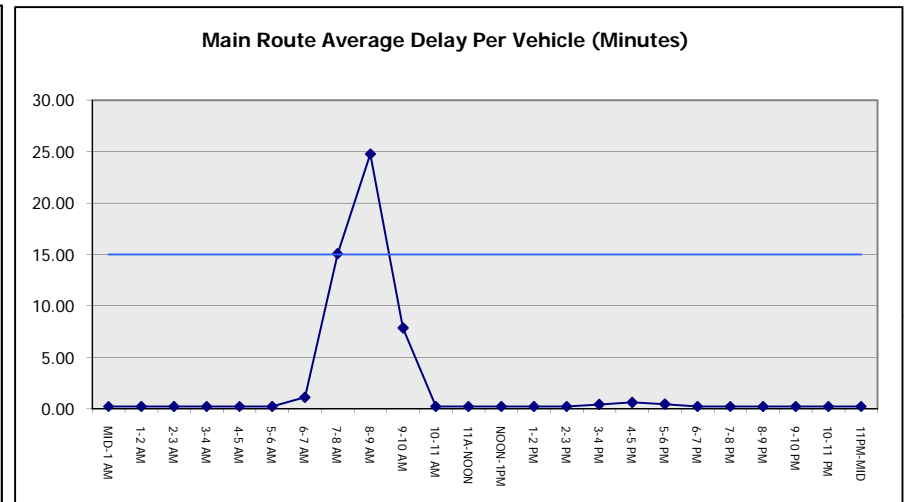
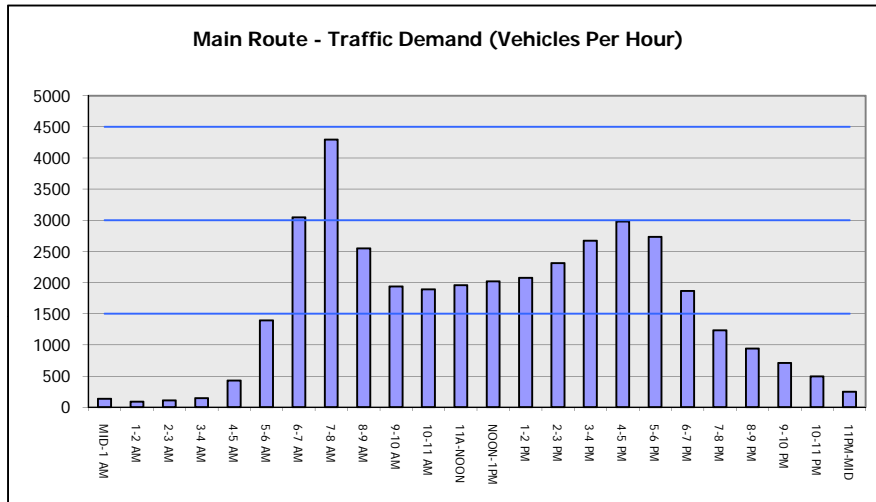
ROAD USER COSTS PER DAY (DOLLARS)	\$34,947
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 32, STH 57	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	226	0.0	64	0.0	3000	226	0	64	0.22	0	60.2	53.5	49.7	22.7	22.7
1-2 AM	153	0.0	43	0.0	3000	153	0	43	0.22	0	60.2	53.5	49.7	23.0	23.0
2-3 AM	129	0.0	37	0.0	3000	129	0	37	0.22	0	60.2	53.5	49.7	23.0	23.0
3-4 AM	129	0.0	37	0.0	3000	129	0	37	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	262	0.0	74	0.0	3000	262	0	74	0.22	0	60.2	53.5	49.7	22.5	22.5
5-6 AM	638	0.0	180	0.0	3000	638	0	180	0.22	0	60.2	53.5	49.7	21.0	21.0
6-7 AM	1524	0.0	430	0.0	3000	1524	0	430	0.22	0	60.2	53.5	49.7	17.3	17.3
7-8 AM	2122	0.0	600	0.0	3000	2122	0	600	0.22	0	60.2	53.5	49.7	14.8	14.8
8-9 AM	1837	0.0	519	0.0	3000	1837	0	519	0.22	0	60.2	53.5	49.7	16.0	16.0
9-10 AM	1668	0.0	471	0.0	3000	1668	0	471	0.22	0	60.2	53.5	49.7	16.8	16.8
10-11 AM	1652	0.0	467	0.0	3000	1652	0	467	0.22	0	60.2	53.5	49.7	16.8	16.8
11A-NOON	1908	0.0	539	0.0	3000	1908	0	539	0.22	0	60.2	53.5	49.7	15.8	15.8
NOON-1PM	2037	0.0	575	0.0	3000	2037	0	575	0.22	0	60.2	53.5	49.7	15.2	15.2
1-2 PM	2185	0.0	617	0.0	3000	2185	0	617	0.22	0	60.2	53.5	49.7	14.6	14.6
2-3 PM	2487	0.0	702	0.0	2999	2487	0	702	0.30	0	60.2	51.2	46.6	13.4	13.4
3-4 PM	3455	0.0	975	0.0	2999	3455	0	975	2.92	169	60.2	23.1	37.3	10.9	11.0
4-5 PM	4330	0.0	1222	0.0	3000	4330	0	1222	19.68	1106	60.2	9.4	37.3	9.4	11.6
5-6 PM	3865	0.0	1091	0.0	3000	3685	180	1271	40.58	2230	60.2	7.7	37.3	10.2	13.5
6-7 PM	2452	0.0	693	0.0	3000	2038	414	1106	36.92	2029	60.2	7.9	37.3	13.5	14.3
7-8 PM	1652	0.0	467	0.0	3000	1645	7	474	14.16	858	60.2	10.9	43.2	16.8	18.9
8-9 PM	1492	0.0	422	0.0	3000	1492	0	422	0.30	8	60.2	51.2	49.7	17.5	17.5
9-10 PM	1159	0.0	328	0.0	3000	1159	0	328	0.22	0	60.2	53.5	49.7	18.8	18.8
10-11 PM	720	0.0	203	0.0	3000	720	0	203	0.22	0	60.2	53.5	49.7	20.6	20.6
11PM-MID	468	0.0	132	0.0	3000	468	0	132	0.22	0	60.2	53.5	49.7	21.7	21.7

----- SITE BREAKDOWN DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----

ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)

MAIN ROUTE WITHOUT WORKS	0.0104
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0829

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY (DOLLARS)	\$83,977
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR EASTBOUND DIRECTION

